

In the Claims:

Please cancel claims 40-42 and 140 without prejudice to or disclaimer of the subject matter therein.

Please rewrite the following claims:

54 b 25 24. (Once Amended) An isolated polynucleotide comprising a first nucleic acid at least 90% identical to a reference nucleic acid selected from the group consisting of:

- (a) a nucleic acid encoding amino acids 142 to 211 of SEQ ID NO:2;
(b) a nucleic acid encoding amino acids 248 to 331 of SEQ ID NO:2;
(c) a nucleic acid encoding amino acids 2 to 335 of SEQ ID NO:2;
(d) a nucleic acid encoding amino acids 1 to 335 of SEQ ID NO:2; and
(e) a nucleic acid encoding the complete amino acid sequence encoded by the

cDNA clone contained in ATCC Deposit No. 203072; [and

- (f) the complement of (a), (b), (c), (d) or (e)]

wherein said first nucleic acid encodes a polypeptide which generates an antibody that binds a polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

43. (Once amended) The isolated polynucleotide of claim 24, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said first nucleic acid.

Sub G 6 51. (Once amended) An isolated polynucleotide comprising a nucleic acid encoding a first amino acid sequence at least 90% identical to a reference amino acid sequence selected from the group consisting of:

- (a) amino acids 142 to 211 of SEQ ID NO:2;
- (b) amino acids 248 to 331 of SEQ ID NO:2;
- (c) amino acids 2 to 335 of SEQ ID NO:2;
- (d) amino acids 1 to 335 of SEQ ID NO:2; and
- (e) the complete amino acid sequence encoded by the cDNA clone contained

in ATCC Deposit No. 203072;

wherein said nucleic acid encodes a polypeptide which generates an antibody that binds a polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

E 4 67. (Once amended) ~~The~~ isolated polynucleotide of claim 51, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said nucleic acid.

E 5 75. (Twice amended) An isolated polynucleotide comprising a nucleic acid encoding a fragment of SEQ ID NO:2 or a fragment of the amino acid sequence encoded by the cDNA clone in ATCC Deposit No. 203072; wherein said fragment regulates [prostate-specific epithelial] Prostate-Specific Antigen (PSA) gene expression; or the complement of said nucleic acid.

76. (Once amended) The isolated polynucleotide of claim 75, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said nucleic acid.

sub G⁷ 105. (Twice amended) An isolated polynucleotide comprising a nucleic acid at least 95% identical to a nucleic acid encoding at least [60] 70 contiguous amino acids of SEQ ID NO:2;

wherein said nucleic acid encodes a polypeptide which generates an antibody that binds a polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

E⁶ 106. (Twice amended) The isolated polynucleotide of claim 105, comprising a nucleic acid encoding at least [60] 70 contiguous amino acids of SEQ ID NO:2.

sub G⁸ 107. (Twice amended) An isolated polynucleotide comprising a nucleic acid at least 95% identical to a nucleic acid encoding at least 80 contiguous amino acids of SEQ ID NO:2; wherein said nucleic acid encodes a polypeptide which generates an antibody that binds a polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

C⁷ sub G⁹ 109. (Once amended) An isolated polynucleotide comprising a nucleic acid at least 95% identical to a nucleic acid encoding at least 100 contiguous amino acids of SEQ ID NO:2; wherein said nucleic acid encodes a polypeptide which generates an antibody that binds a polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

E⁸ sub G¹⁰ 111. (Once amended) An isolated polynucleotide comprising a nucleic acid at least 95% identical to a nucleic acid encoding at least 150 contiguous amino acids of SEQ ID NO:2; wherein said nucleic acid encodes a polypeptide which generates an antibody that binds a

polypeptide consisting of amino acids 1 to 335 of SEQ ID NO:2.

113. (Once amended) The isolated polynucleotide of claim 105, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said nucleic acid.

121. (Twice amended) An isolated polynucleotide comprising a first nucleic acid which hybridizes in a wash solution consisting of 0.1x SSC at 65 °C[;] over the entire length of the first nucleic acid to a second nucleic acid selected from the group consisting of:

(a) a nucleic acid consisting of the coding region of the cDNA clone contained in ATCC Deposit No. 203072 or the complement thereof; and

(b) a nucleic acid consisting of the coding region of SEQ ID NO:1 or the complement thereof;

wherein said first nucleic acid is 600 or more nucleotides long.

122. (Once amended) The isolated polynucleotide of claim 121, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said first nucleic acid.

Sub 8'' 128. (Twice amended) An isolated polynucleotide comprising a nucleic acid encoding an amino acid sequence from position m to ~~position n~~ of SEQ ID NO:2, wherein m is an integer ~~from 2 to 276~~, n is an integer from [15] 141 to 335; and m is less than n.

129. (Once amended) The ~~isolated~~ polynucleotide of claim 128, further comprising a [heterologous polynucleotide] nucleotide sequence heterologous to said nucleic acid.

Sub 7 to 12

137. (Once amended) A polynucleotide comprising a nucleic acid fused to a nucleotide sequence heterologous to SEQ ID NO:1, wherein said nucleic acid is selected from the group consisting of:

E 12

- (a) a nucleic acid encoding amino acids 279 to 287 of SEQ ID NO:2;
- (b) a nucleic acid encoding amino acids 292 to 300 of SEQ ID NO:2; and
- (c) [a nucleic acid encoding amino acids 301 to 309 of SEQ ID NO:2; and
- (d)] a nucleic acid encoding amino acids 317 to 325 of SEQ ID NO:2.

Please add the following new claims:

--149. An isolated polynucleotide comprising a nucleic acid encoding at least 60 contiguous amino acids of SEQ ID NO:2;
wherein said nucleic acid is operably associated with one or more regulatory elements capable of directing translation of said amino acids.

150. The isolated polynucleotide of claim 149, further comprising a nucleotide sequence heterologous to said nucleic acid.

151. A method of producing a vector comprising inserting the isolated polynucleotide of claim 149 into a vector.

152. A vector comprising the isolated polynucleotide of claim 149.